

Resistor Color Code Chart Grid: Decode Any Component Fast

×	COLOR	1ST BAND (DIGIT)	2ND BAND (DIGIT)	3RD BAND (DIGIT)	MULTIPLIER	TOLERANCE	TEMP. COEFF. (PPM/°C)
Color	Black	0	0	0	x1 (10^0)	—	—
1st Band (Digit)	Brown	1	1	1	x10 (10^1)	±1%	100
2nd Band (Digit)	Red	2	2	2	x100 (10^2)	±2%	50
3rd Band (Digit)	Orange	3	3	3	x1k (10^3)	±3%	15
Multiplier	Yellow	4	4	4	x10k (10^4)	±4%	25
Tolerance	Green	5	5	5	x100k (10^5)	±0.5%	20
Temp. Coeff. (ppm/°C)	Blue	6	6	6	x1M (10^6)	±0.25%	10
8	Violet	7	7	7	x10M (10^7)	±0.1%	5
9	Gray	8	8	8	x100M (10^8)	±0.05%	1
10	White	9	9	9	x1G (10^9)	—	—
11	Gold	—	—	—	x0.1 (10^-1)	±5%	—
12	Silver	—	—	—	x0.01 (10^-2)	±10%	—
13	None	—	—	—	—	±20%	—